

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020116\
 Data File : BM004160.D
 Acq On : 01 Feb 2016 13:32
 Operator : SJ/IZ
 Sample : H1280-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2246

Quant Time: Feb 02 01:22:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 02 01:18:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1537	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	6615	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.31	164	4300	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	11440	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	12045	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	11464	0.40	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	26	0.03	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	2898	0.34	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	9977	0.35	ng/ul	0.01

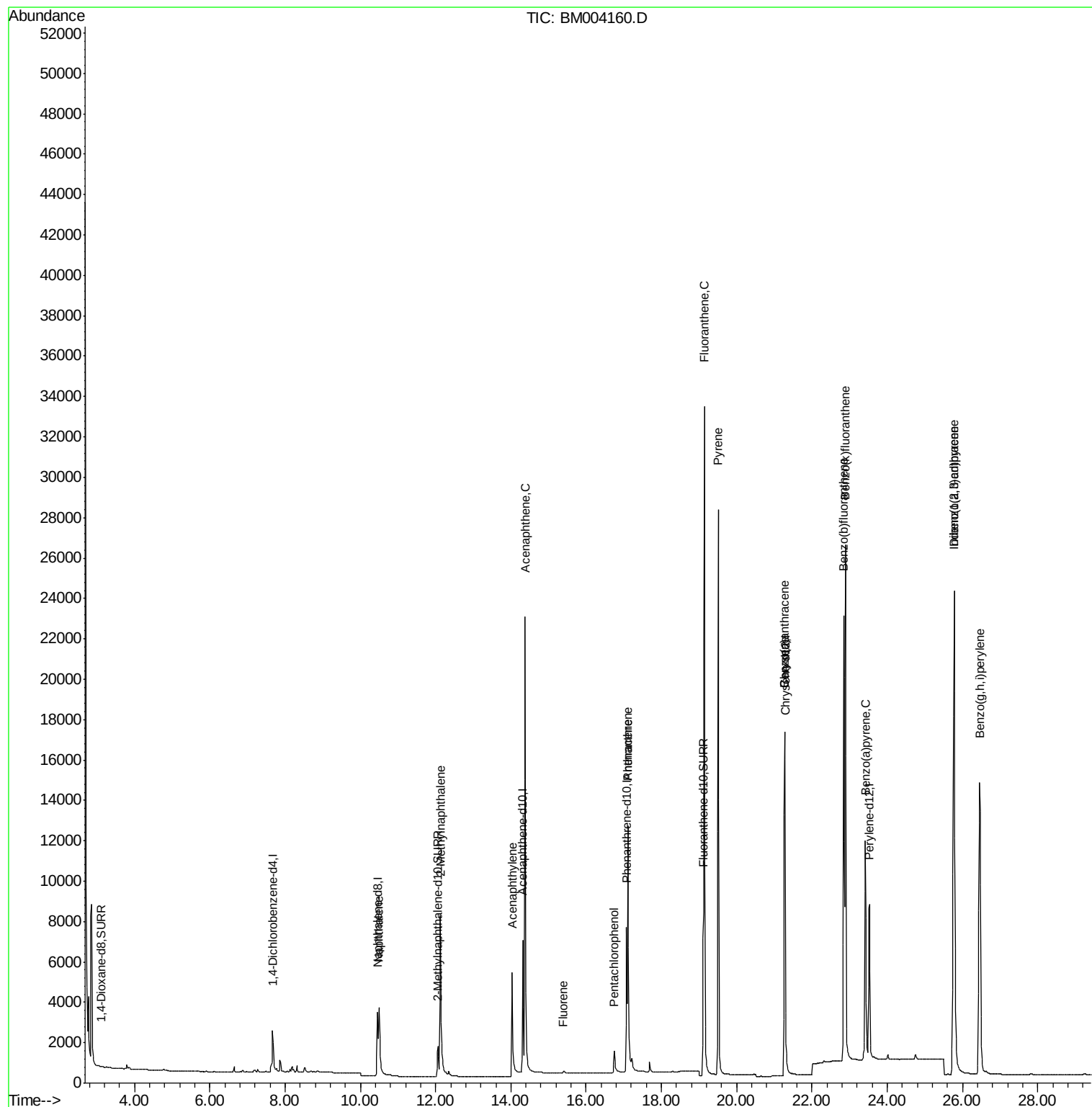
Target Compounds				Qvalue		
5) Naphthalene	10.50	128	6544	0.41	ng/ul#	95
7) 2-Methylnaphthalene	12.13	142	9319	0.82	ng/ul	99
9) Acenaphthylene	14.04	152	7589	0.49	ng/ul#	93
10) Acenaphthene	14.38	153	17630	1.25	ng/ul	95
11) Fluorene	15.39	166	119	0.01	ng/ul#	65
13) Pentachlorophenol	16.75	266	1231	1.30	ng/ul	95
14) Phenanthrene	17.11	178	17419	0.56	ng/ul#	92
15) Anthracene	17.11	178	17796	0.68	ng/ul	95
17) Fluoranthene	19.14	202	34414	0.88	ng/ul	95
19) Pyrene	19.51	202	28576	0.76	ng/ul	97
20) Benzo(a)anthracene	21.27	228	16527	0.54	ng/ul	99
21) Chrysene	21.27	228	16621	0.45	ng/ul	98
23) Benzo(b)fluoranthene	22.85	252	30554	0.80	ng/ul	96
24) Benzo(k)fluoranthene	22.89	252	32190	0.89	ng/ul	96
25) Benzo(a)pyrene	23.42	252	16797	0.50	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.77	276	27450	0.75	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.78	278	26191	0.95	ng/ul	98
28) Benzo(g,h,i)perylene	26.45	276	31012	0.90	ng/ul	98

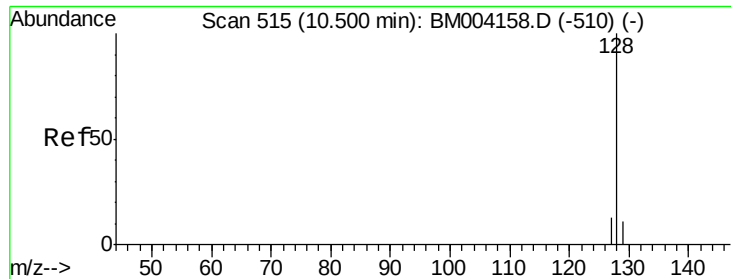
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.41 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampleId :

X2246

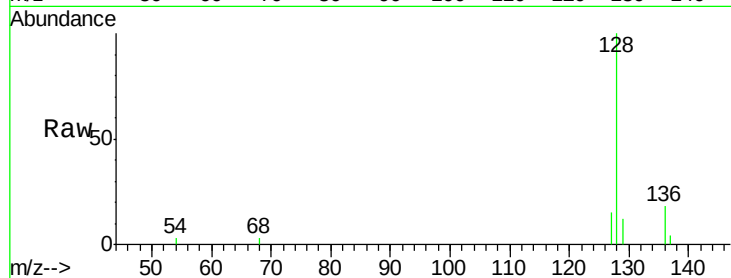
Tgt Ion:128 Resp: 6544

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

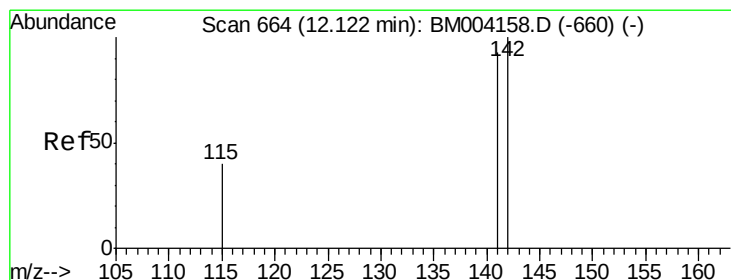
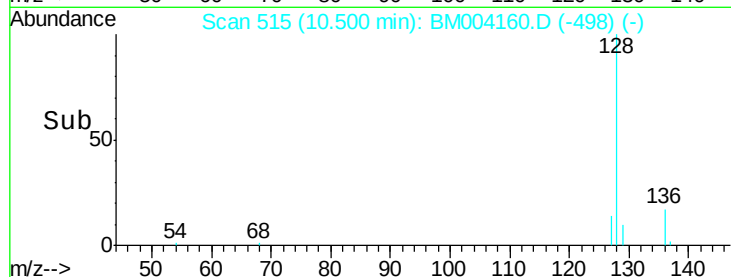
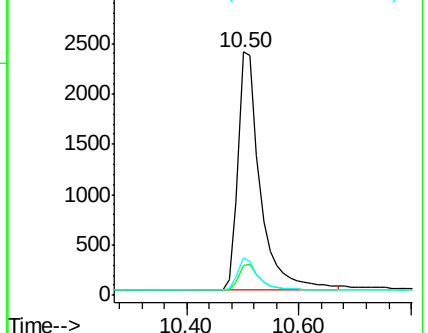
127 15.3 9.6 14.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.82 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM004160.D

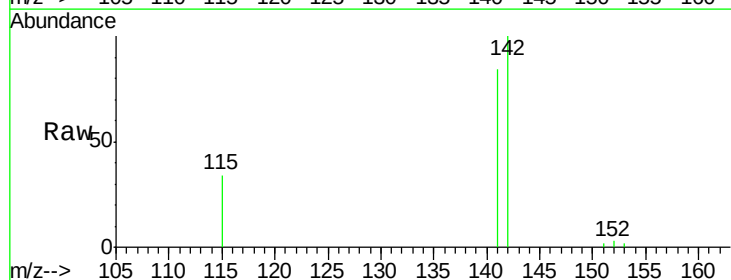
Acq: 01 Feb 2016 13:32

Tgt Ion:142 Resp: 9319

Ion Ratio Lower Upper

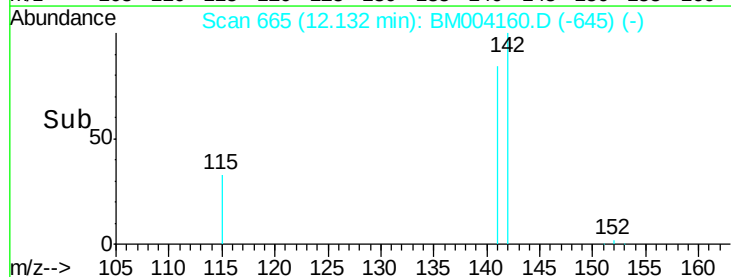
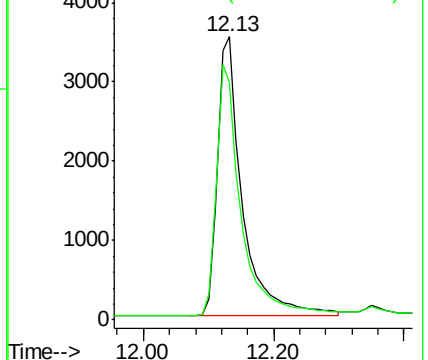
142 100

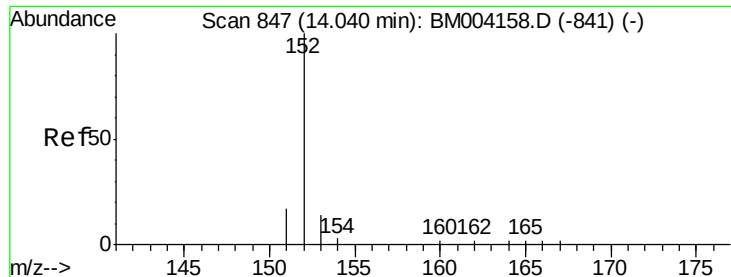
141 89.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.49 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampleId :

X2246

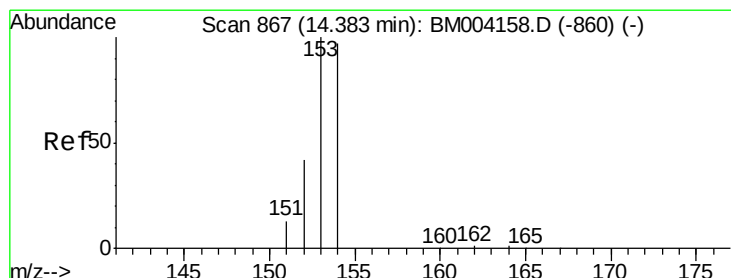
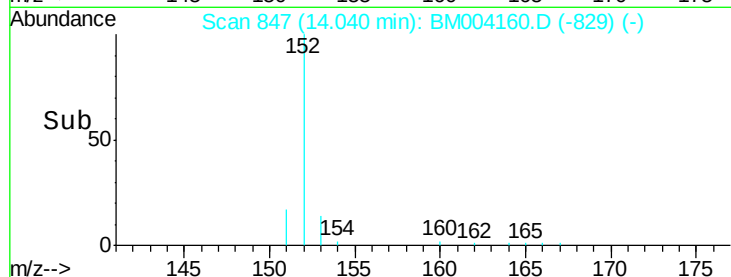
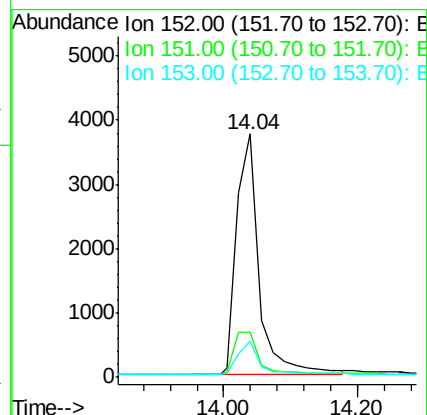
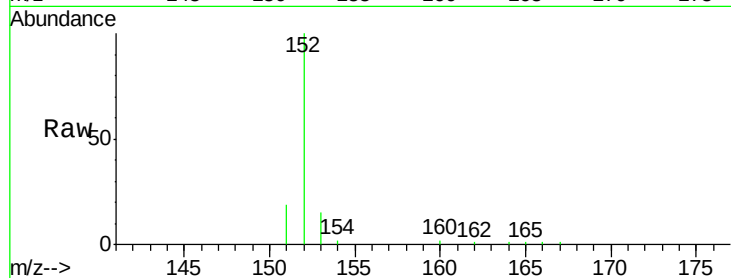
Tgt Ion:152 Resp: 7589

Ion Ratio Lower Upper

152 100

151 18.6 17.6 26.4

153 15.1 9.7 14.5#



#10

Acenaphthene

Concen: 1.25 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

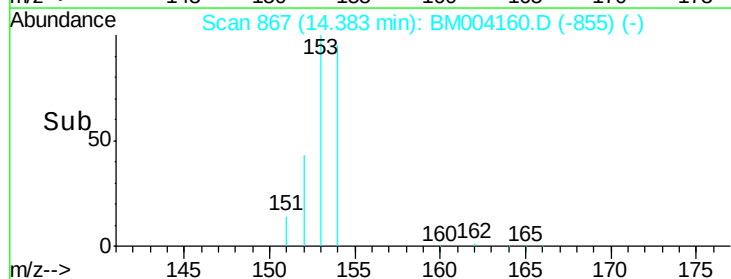
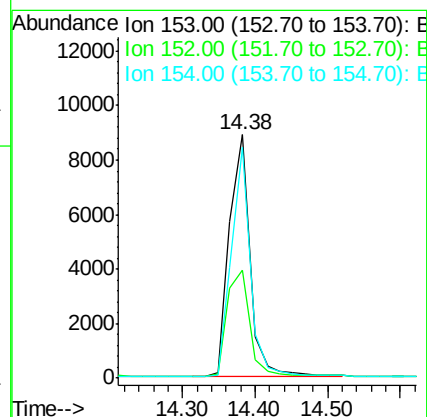
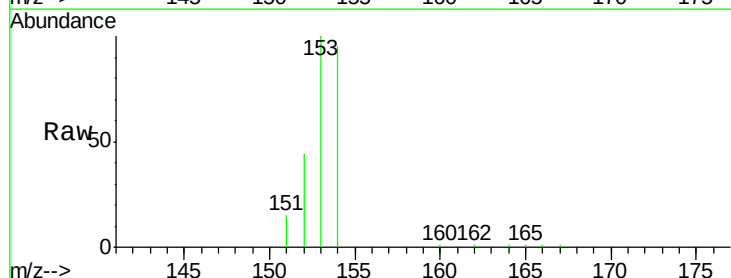
Tgt Ion:153 Resp: 17630

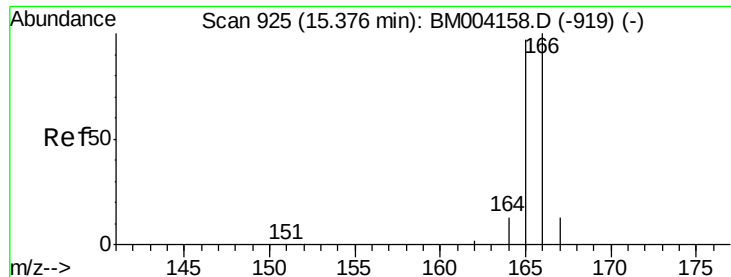
Ion Ratio Lower Upper

153 100

152 44.3 33.9 50.9

154 94.8 80.6 121.0





#11

Fluorene

Concen: 0.01 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.02 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampleId :

X2246

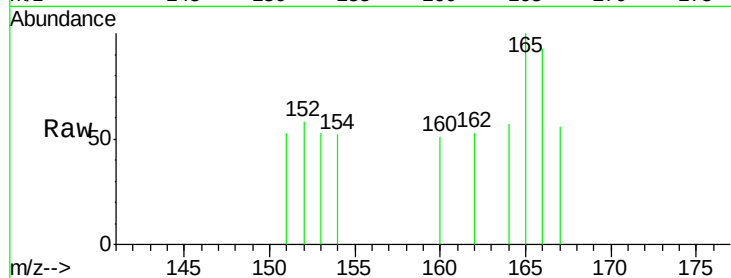
Tgt Ion:166 Resp: 119

Ion Ratio Lower Upper

166 100

165 107.9 69.6 104.4#

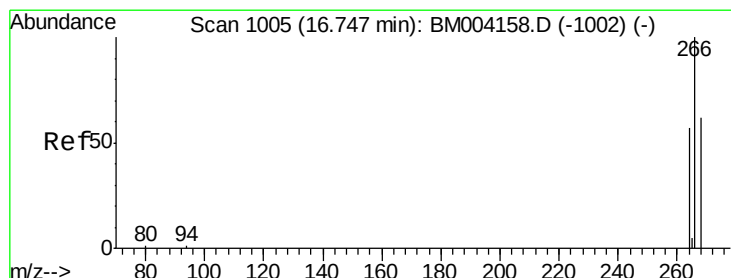
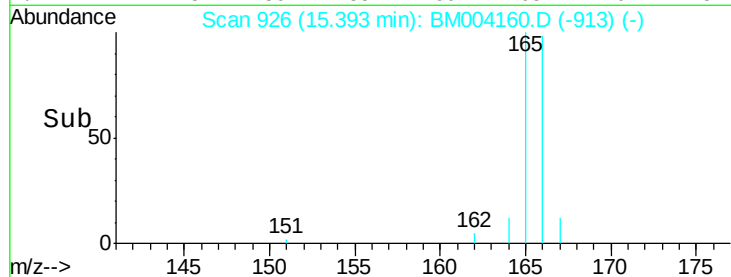
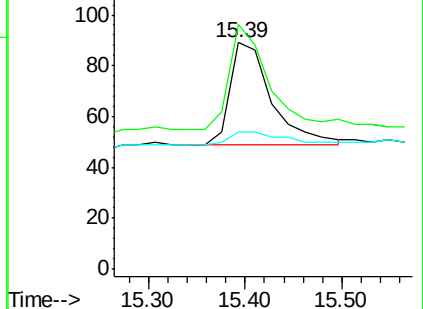
167 60.7 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 1.30 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

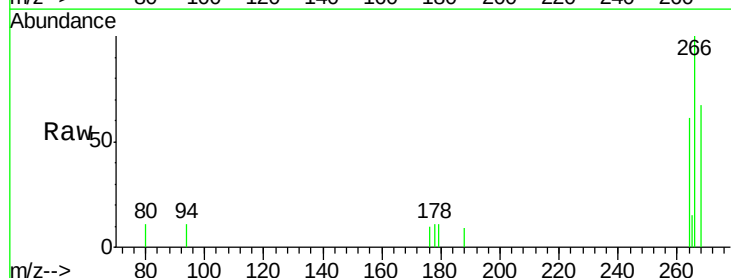
Tgt Ion:266 Resp: 1231

Ion Ratio Lower Upper

266 100

264 62.1 51.8 77.8

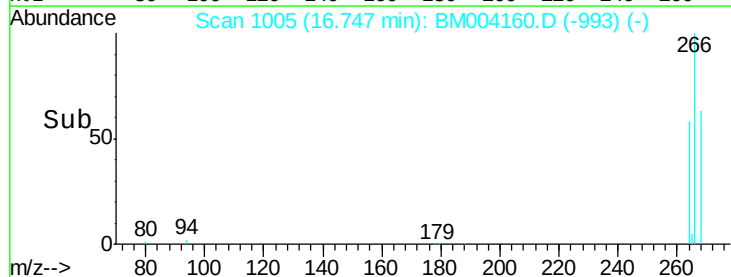
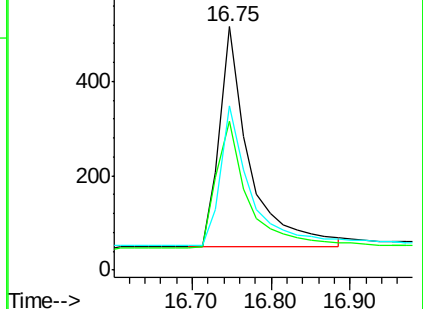
268 63.5 46.8 70.2

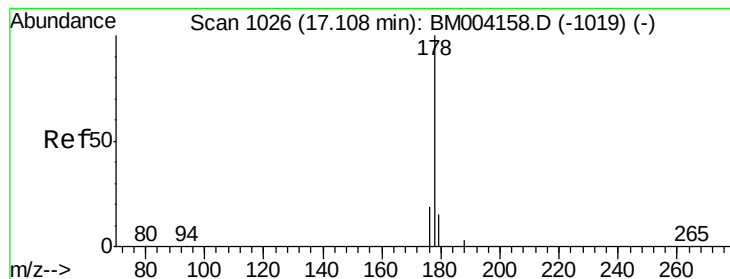


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.56 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampleId :

X2246

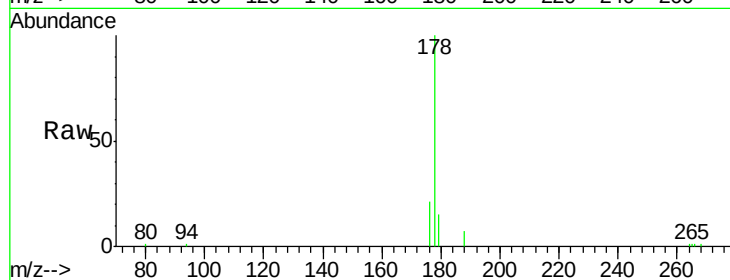
Tgt Ion:178 Resp: 17419

Ion Ratio Lower Upper

178 100

176 20.7 13.0 19.4#

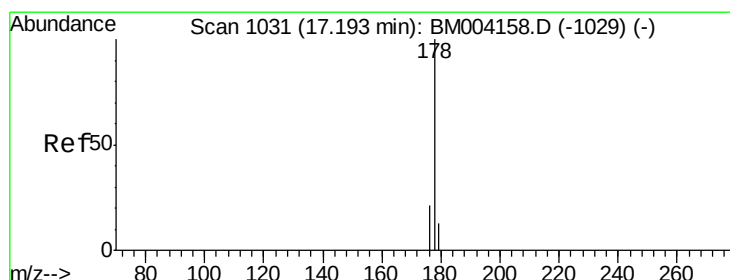
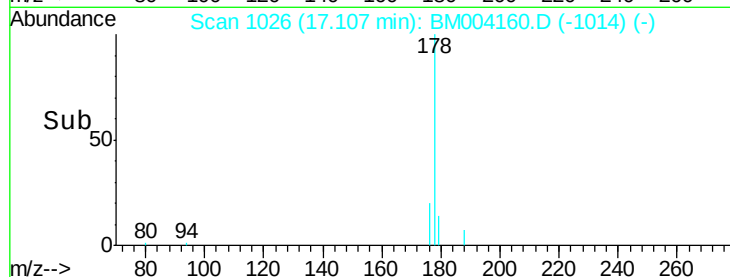
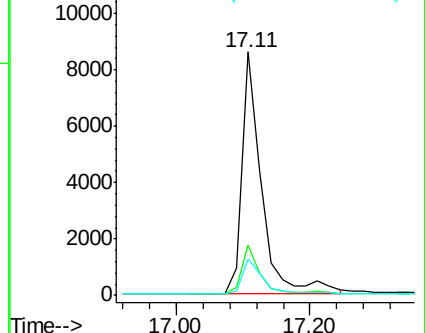
179 14.9 14.2 21.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.68 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.09 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

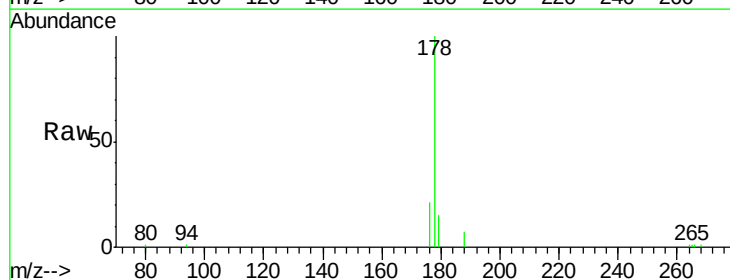
Tgt Ion:178 Resp: 17796

Ion Ratio Lower Upper

178 100

176 20.7 14.0 21.0

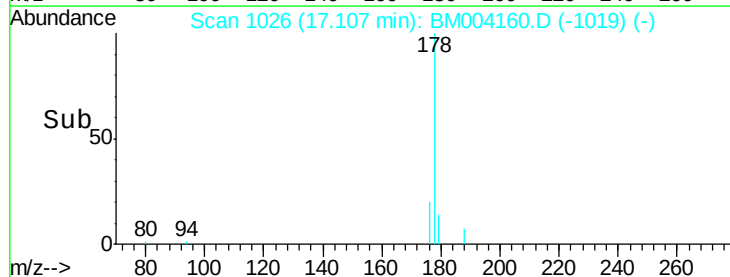
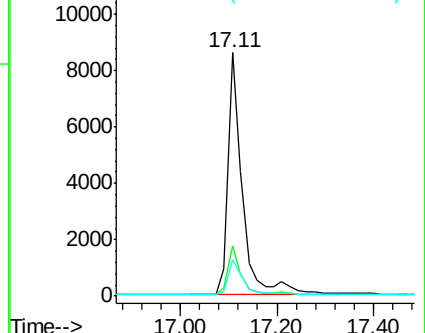
179 14.9 12.9 19.3

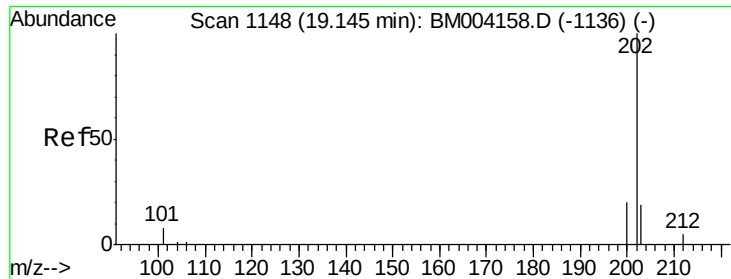


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

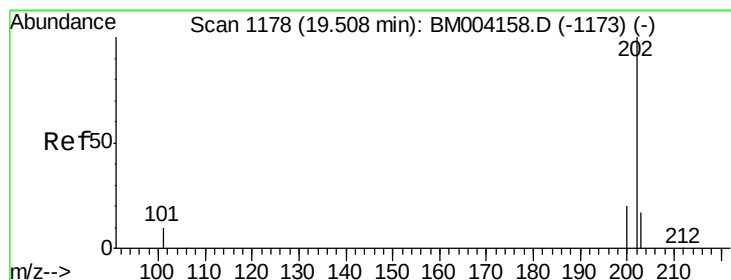
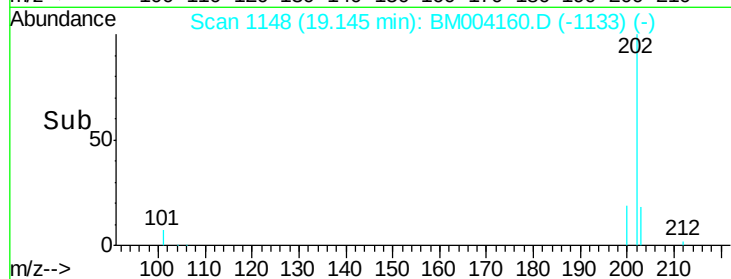
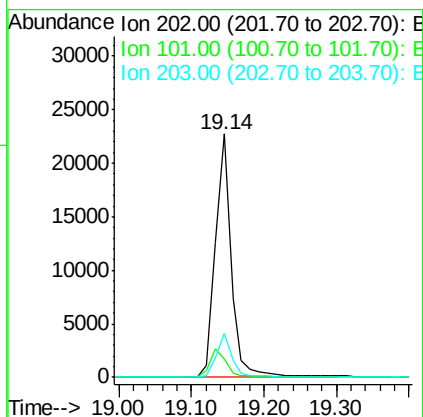
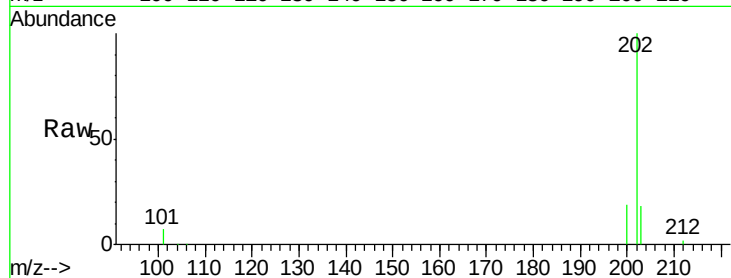




#17
Fluoranthene
 Concen: 0.88 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BM004160.D
 Acq: 01 Feb 2016 13:32

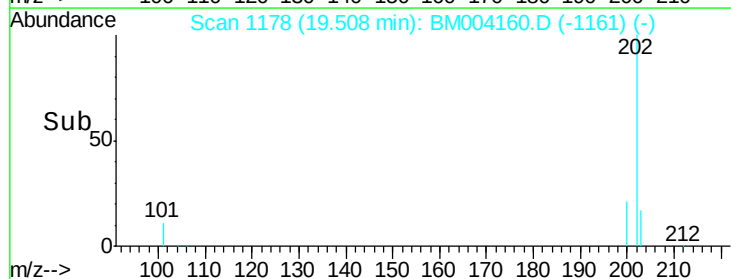
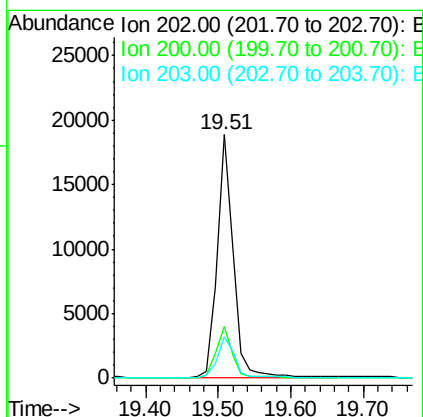
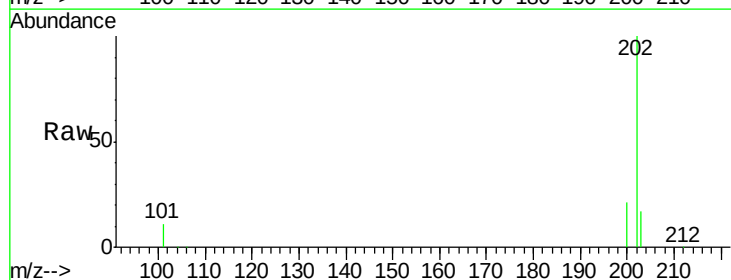
Instrument :
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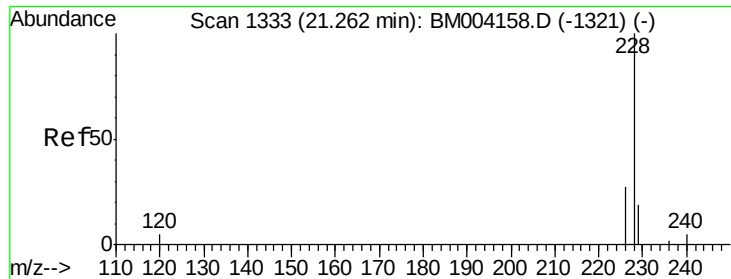
Tgt Ion:202 Resp: 34414
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 29.6
 203 18.0 0.0 36.3



#19
Pyrene
 Concen: 0.76 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM004160.D
 Acq: 01 Feb 2016 13:32

Tgt Ion:202 Resp: 28576
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.8 26.8
 203 17.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampleId :

X2246

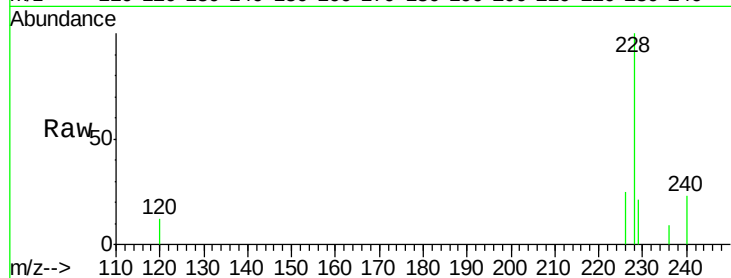
Tgt Ion:228 Resp: 16527

Ion Ratio Lower Upper

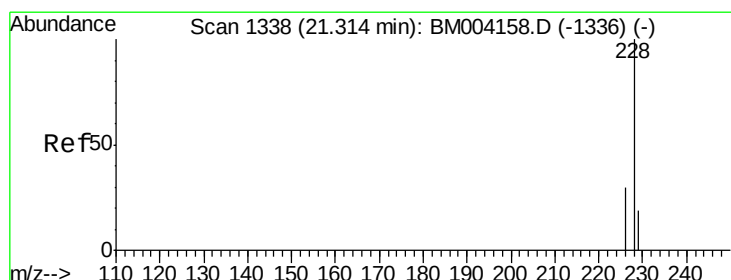
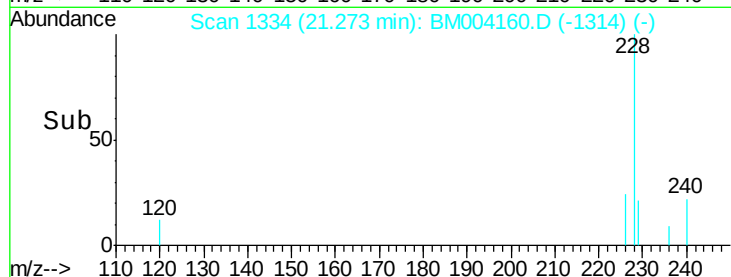
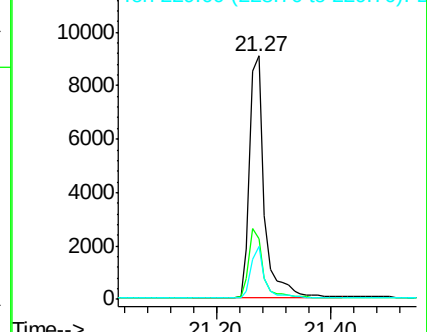
228 100

226 24.6 18.8 28.2

229 21.5 17.1 25.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#21

Chrysene

Concen: 0.45 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.04 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

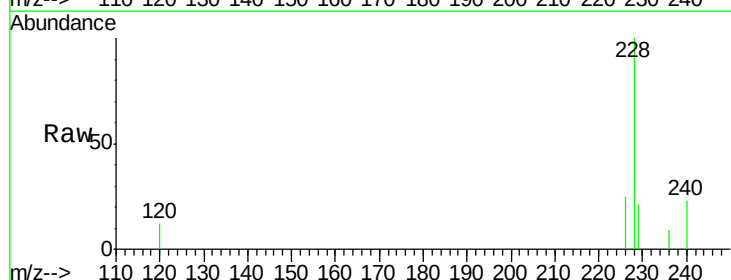
Tgt Ion:228 Resp: 16621

Ion Ratio Lower Upper

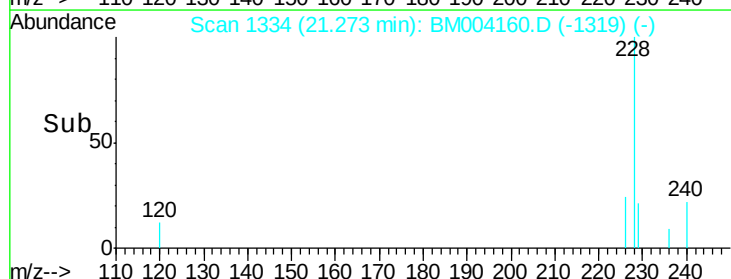
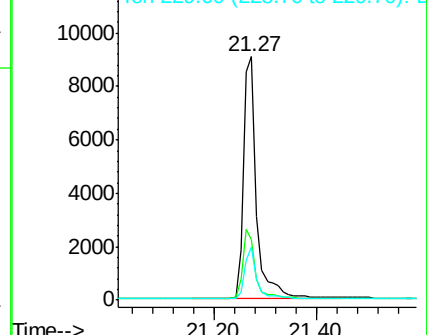
228 100

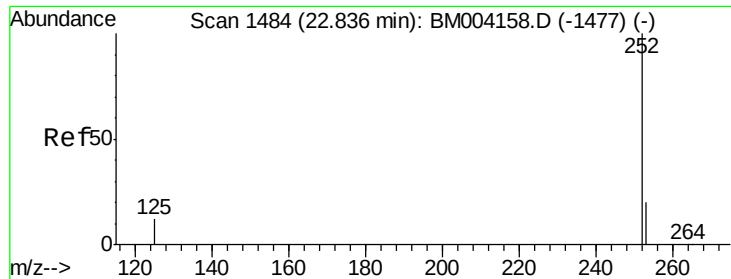
226 24.6 21.2 31.8

229 21.5 17.0 25.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.80 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampleId :

X2246

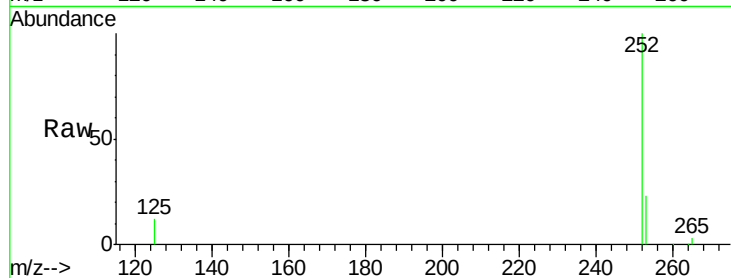
Tgt Ion:252 Resp: 30554

Ion Ratio Lower Upper

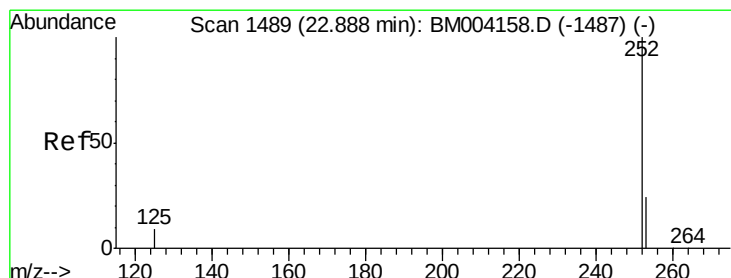
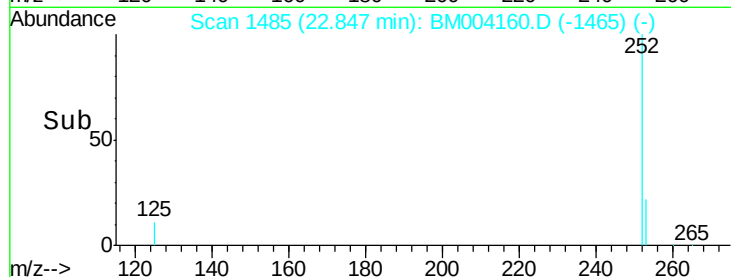
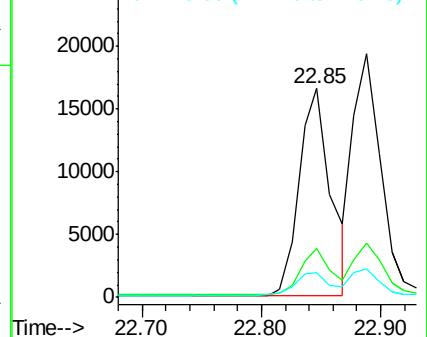
252 100

253 23.5 0.0 45.4

125 11.6 0.0 28.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 0.89 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

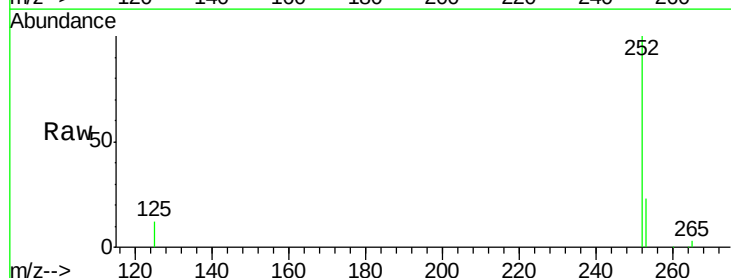
Tgt Ion:252 Resp: 32190

Ion Ratio Lower Upper

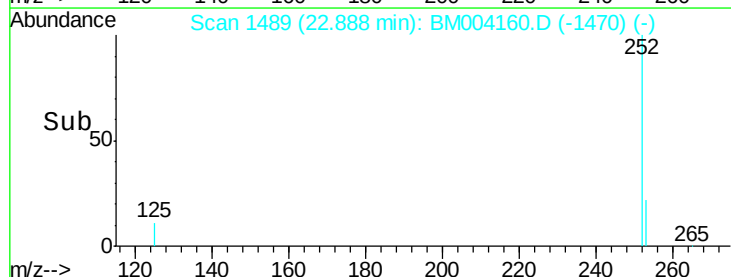
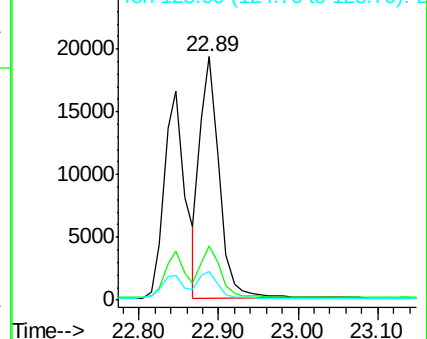
252 100

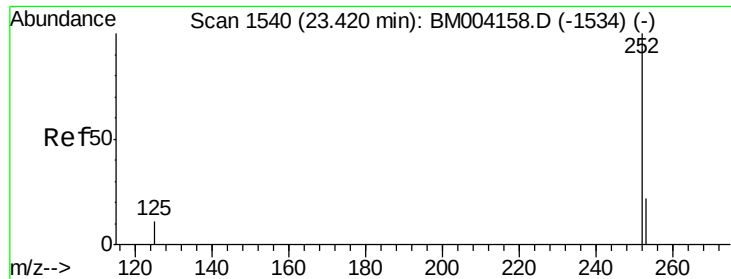
253 22.5 19.8 29.8

125 11.7 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.50 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampleId :

X2246

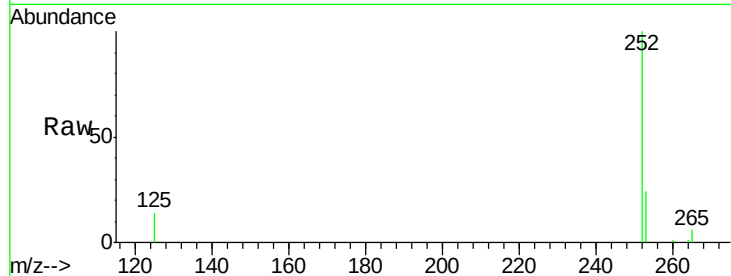
Tgt Ion:252 Resp: 16797

Ion Ratio Lower Upper

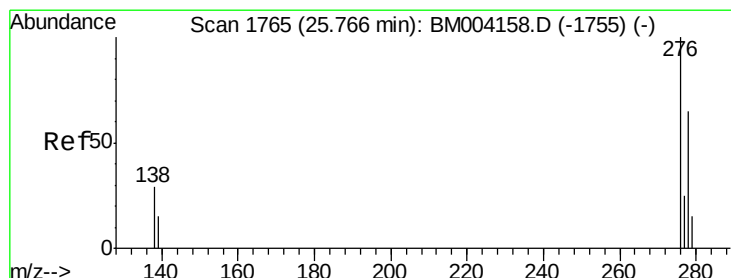
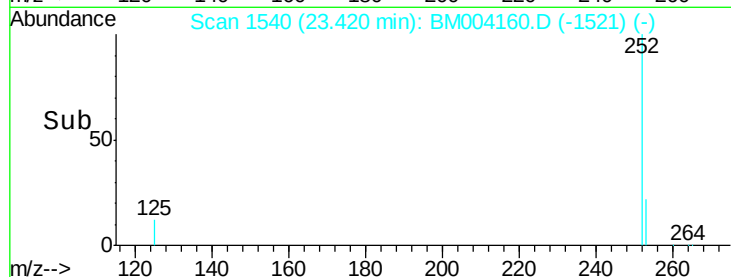
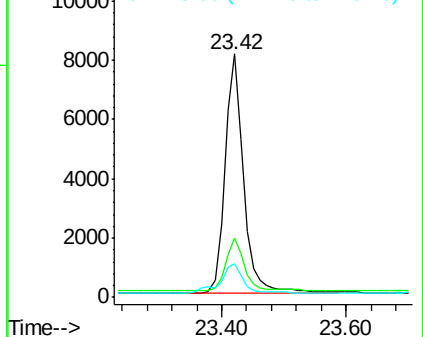
252 100

253 24.2 19.4 29.2

125 14.0 12.7 19.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.75 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

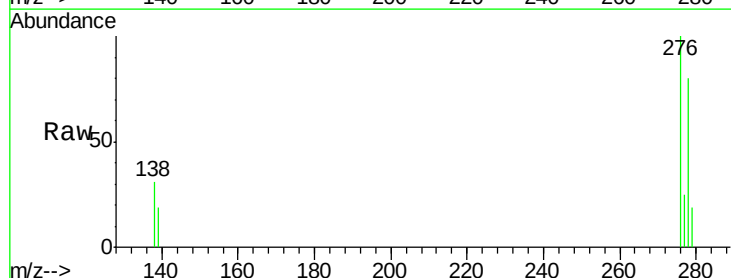
Tgt Ion:276 Resp: 27450

Ion Ratio Lower Upper

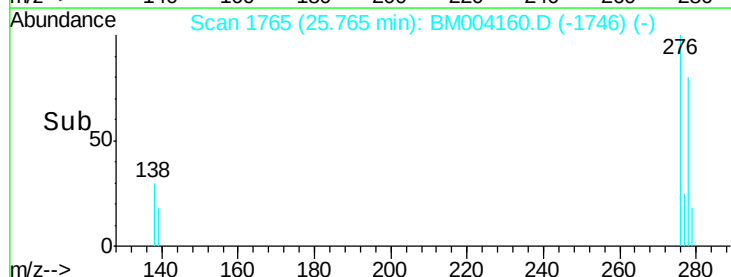
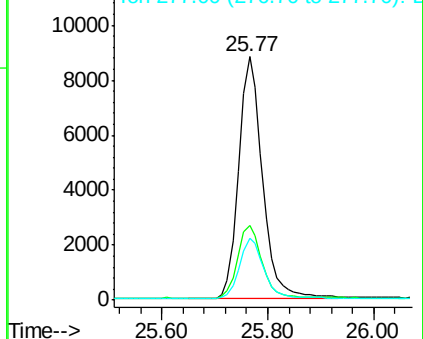
276 100

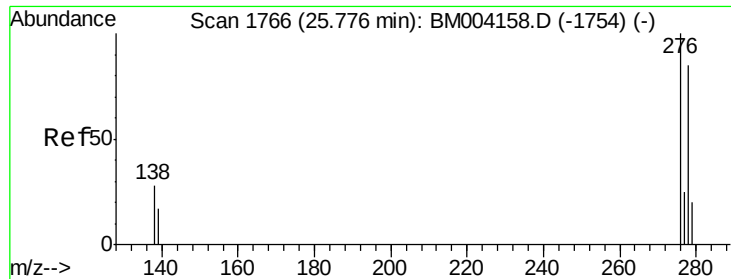
138 31.2 16.3 24.5#

277 25.2 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.95 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

Instrument :

BNA_M

ClientSampled :

X2246

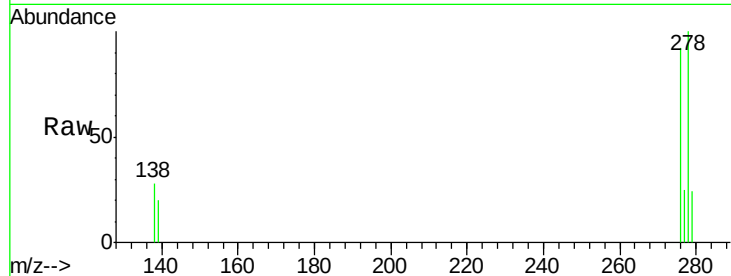
Tgt Ion: 278 Resp: 26191

Ion Ratio Lower Upper

278 100

139 20.1 16.4 24.6

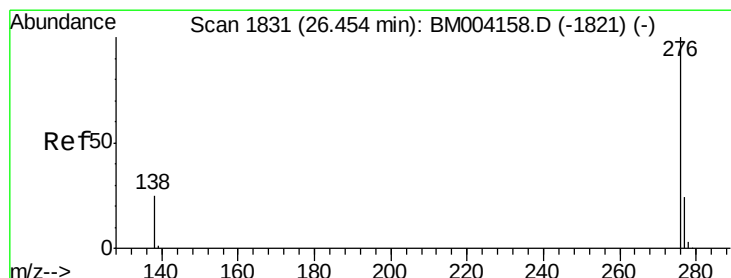
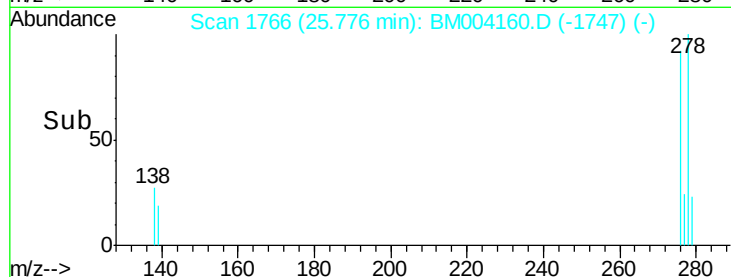
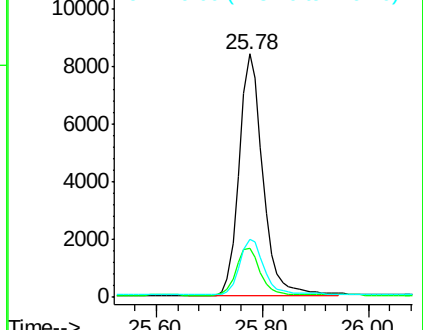
279 24.1 20.2 30.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.90 ng/ul

RT: 26.45 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BM004160.D

Acq: 01 Feb 2016 13:32

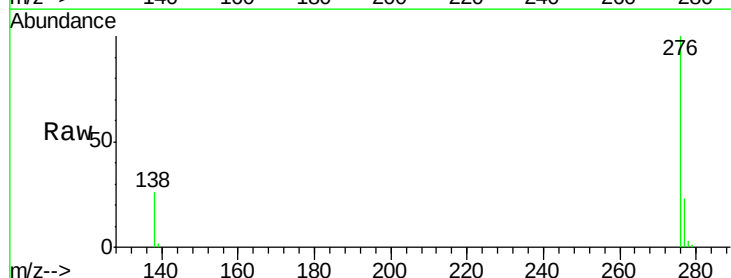
Tgt Ion: 276 Resp: 31012

Ion Ratio Lower Upper

276 100

277 23.4 18.9 28.3

138 26.5 22.5 33.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

